

**Monzeglio, Hope, NMENV**

ENTERED

**From:** Randy Schmaltz [Randy.Schmaltz@wnr.com]  
**Sent:** Tuesday, April 08, 2008 2:23 PM  
**To:** Monzeglio, Hope, NMENV  
**Cc:** Todd Doyle; Ann Allen; Allen Hains; Cindy Hurtado; Bob Krakow  
**Subject:** Tank # 33 Sample (East Outfall #1 via Tk# 38)  
**Attachments:** Tank #33 1st Qrt 2008.pdf

 ENTERED

Hope,

This email is follow-up to our phone conversation this morning.

The Quarterly water sample for Tank #33 (which receives water from East Outfall #1 via Tank #38) had a Benzene level of 0.76 mg/l, which exceeds the regulatory level (0.5 mg/l). Once the analytical results were known, the refinery immediately shutdown the Tank #33 recovery and treatment system. All of the East Outfall #1 water is being collected and routed via vacuum truck to the front end of the API separator and wastewater treatment unit.

The refinery will take the following steps:

- Tanks #38 and #33 will be dewatered, cleaned, and inspected.
- Mechanical repairs will be made if problems are found.
- Once sampling has confirmed that the Tank #33 system is effectively treating the recovered water to below regulatory levels, the system will be put back in service. Until that time the water will continue thru the API Separator.

Please find the enclosed analytical results for the Tank #33 Quarterly sample.

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This inbound email has been scanned by the MessageLabs Email Security System.

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COVER LETTER

Monday, April 07, 2008

Cindy Hurtado  
San Juan Refining  
#50 CR 4990  
Bloomfield, NM 87413

TEL: (505) 632-4161  
FAX (505) 632-3911

RE: TK #33 - 4th Qtr

Order No.: 0803272

Dear Cindy Hurtado:

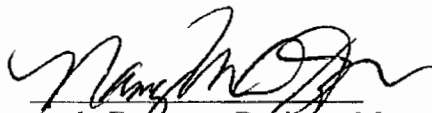
Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/27/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425  
AZ license # AZ0682  
ORELAP Lab # NM100001



**Hall Environmental Analysis Laboratory, Inc.**

Date: 07-Apr-08

**CLIENT:** San Juan Refining  
**Project:** TK #33 - 4th Qtr  
**Lab Order:** 0803272

**Work Order Sample Summary**

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Lab Sample ID	Client Sample ID	Batch ID	Test Name	Collection Date
0803272-01A	TK #33	R27912	EPA Method 8260: Volatiles Short List	3/24/2008 9:45:00 AM

**Hall Environmental Analysis Laboratory, Inc.**

Date: 07-Apr-08

**CLIENT:** San Juan Refining  
**Lab Order:** 0803272  
**Project:** TK #33 - 4th Qtr  
**Lab ID:** 0803272-01

**Client Sample ID:** TK #33  
**Collection Date:** 3/24/2008 9:45:00 AM  
**Date Received:** 3/27/2008  
**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8260: VOLATILES SHORT LIST</b>						Analyst: BDH
Benzene	760	50		µg/L	50	3/29/2008 6:13:33 PM
Toluene	1600	50		µg/L	50	3/29/2008 6:13:33 PM
Ethylbenzene	170	50		µg/L	50	3/29/2008 6:13:33 PM
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	3/29/2008 6:13:33 PM
Xylenes, Total	4700	100		µg/L	50	3/29/2008 6:13:33 PM
Surr: 1,2-Dichloroethane-d4	99.2	59.3-133		%REC	50	3/29/2008 6:13:33 PM
Surr: 4-Bromofluorobenzene	100	80.4-119		%REC	50	3/29/2008 6:13:33 PM
Surr: Dibromofluoromethane	103	59.5-134		%REC	50	3/29/2008 6:13:33 PM
Surr: Toluene-d8	104	53.5-136		%REC	50	3/29/2008 6:13:33 PM

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: San Juan Refining  
 Project: TK #33 - 4th Qtr

Work Order: 0803272

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260: Volatiles Short List

Sample ID: 5mL rb-b MBLK Batch ID: R27912 Analysis Date: 3/29/2008 4:02:18 AM

Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
Surr: 1,2-Dichloroethane-d4	10.14	µg/L	0	101	59.3	133			
Surr: 4-Bromofluorobenzene	10.35	µg/L	0	103	80.4	119			
Surr: Dibromofluoromethane	9.719	µg/L	0	97.2	59.5	134			
Surr: Toluene-d8	10.06	µg/L	0	101	53.5	136			

Sample ID: 100ng lcs-b LCS Batch ID: R27912 Analysis Date: 3/29/2008 3:27:08 AM

Benzene	20.14	µg/L	1.0	101	72.4	126			
Toluene	20.20	µg/L	1.0	101	69.4	126			
Surr: 1,2-Dichloroethane-d4	9.715	µg/L	0	97.1	59.3	133			
Surr: 4-Bromofluorobenzene	10.62	µg/L	0	106	80.4	119			
Surr: Dibromofluoromethane	9.728	µg/L	0	97.3	59.5	134			
Surr: Toluene-d8	10.35	µg/L	0	104	53.5	136			

Qualifiers:

- |   |  |    |  |
|---|--|----|--|
| E | Value above quantitation range             | H  | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit                |
| R | RPD outside accepted recovery limits       | S  | Spike recovery outside accepted recovery limits    |

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name SJR

Date Received:

3/27/2008

Work Order Number 0803272

Received by: TLS

Checklist completed by:

Signature

*[Handwritten Signature]*

3/27/08  
Date

Sample ID labels checked by:

TS  
Initials

Matrix:

Carrier name UPS

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present  Not Shipped
- Custody seals intact on sample bottles? Yes  No  N/A
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - Preservation labels on bottle and cap match? Yes  No  N/A
- Water - pH acceptable upon receipt? Yes  No  N/A

Container/Temp Blank temperature?

4°

<6° C Acceptable  
If given sufficient time to cool.

COMMENTS:

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

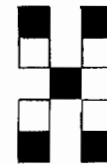
Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

# CHAIN-OF-CUSTODY RECORD

QA/QC Package:    
 Std  Level 4    
 Other: \_\_\_\_\_



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
 4901 Hawkins NE, Suite D  
 Albuquerque, New Mexico 87109  
 Tel. 505.345.3975 Fax 505.345.4107  
 www.hallenvironmental.com

Client: SAN JUAN Refining  
(Western Refining)

Project Name: TK.#33 4<sup>th</sup> Qtr.

Address: #50 CR 4990

Project #: \_\_\_\_\_

Bloomfield, NM 87413

Project Manager: \_\_\_\_\_

Phone #: 505-632-4161

Sampler: Randy + Bob

Fax #: 505-632-3911

Sample Temperature: 4

## ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative			HEAL No.
					HgCl <sub>2</sub>	HNO <sub>3</sub>	HCl	
3-24-08	9:45	H <sub>2</sub> O	TK.#33	2-VOA			X	0803272 1

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / PCB's (8082)	8260B <del>Metals</del> BTEX + MTBE only	8270 (Semi-VOA)	Air Bubbles on Headspace (Y or N)
										X		

Date: 3-26-08 Time: 7:30 Relinquished By: (Signature) Robert Graham

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Relinquished By: (Signature) \_\_\_\_\_

Received By: (Signature) [Signature] 3/27/08 940

Received By: (Signature) \_\_\_\_\_

Remarks: \_\_\_\_\_

# COMMUNICATION RECORD

Job No.

Phone: Randy Schmaltz

Route to:

Date: 4/7/08

NMED: Hope Monzeglio

Time: ~11:15 am

Phone No.

Recorded By: hm

Subject: Giant (Western) Bloomfield

Randy Schmaltz contacted NMED to inform us that the Quarterly Monitoring at East Outfall No. 1 detected benzene at 760 ppb. Western is going to drain Tank 38 (collection tank) and clean it. The water in Tank 38 will be sent through the wastewater treatment system upstream of the API separator. Western will resample the water from Tank 38. Randy mentioned that they had a lot of snow this year so the water table could be higher and picking up contamination from a different zone.

Randy will send an email informing NMED of the events. NMED will get back to Randy with a revised monitoring schedule.